

SHORT-TERMINTERNSHIP



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This power B? Presentation on topic of PIR TRANSPORTATION NETWORK BI ACKNOWLEGGE That I have gained a Comprehen sive understanding of air transportation networks including wirlins operation and scheduling Air traffic management and control airport operations and logistics auration eagety protocols and regulations log: 1240 and Supply Chair management i'd air transporation. The our transportation industry Sofware and System. I understand the complementes of air tramportation networks and can apply my knowlege to analyze of potenize, and importous network effectionly, of Safety, and reliability. AR tramportation retworks are complex system that involve Multiple stareholders. including airliner, airports, air Hather control, and Panengers Business intolligence Bi Plays a crucial tale in insight and analytics to supports of decision making of and transportation Metwork B?.

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This page content gives an idea only, which topics have to write.

1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G Future Plans of the Organization.

3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

Description of the sector of business Intern organization

Smartbridge operates in the data analytics sector providing innovating solutions to enhang business intelligenge the organization severages power with actionable insights, enabling data driver decision-making

Learning objectives and outlones

- (1) understand power BI fundamentals
- (2) Data modeling
- (3) proficiency in power BI Took
- (4) Data cleaning & wantermation
- (5) Data visualization
- (b) Refort Design and Sharing

summary of internship retirities:

(1) Attending live training sessions and project-mentoring sessions

- (2) selection of Topic "Analysis of election in India" and gathering, cleaning and analyzing its related datasets in each
- (3) Team formation and assignment of Tasks To Team members
- (4) Designing Developing Interactive dashboard, story, reford on Project using power BI.
- (5) Drafting a project videa demonstration and prefaration of final refort.

Smart Bridge is a flatform that offers virtual internship to the students. The flatforms goal is to prefare students for the students. The flatforms goal is to prefare students for the sob market by establishing a conferative relationship between industry readenic smart bridge fartners with Companies such as google to offer virtual internships. The internships provide students with hands on experience with the latest technologies and enables project based searning smart bridge's flaship event is the summer internship program the program develops students stills in emerging technologies in e

smart evidge's main objective is to bridge the existing gaps between prevailing industry standards and what the aledamics offers to the graduates while passing out of university. Smart Bridge offers suitable still development training to the young talent before on boarding their first job. Their still development programs are designed considering the present in demand stills in the industry

We thereby work a long the line to offer best programs. That helps the students to gain practical knowledge and hands on training to learn skills of these future.

Therefore the main objectives of smart bridge is providing internship for every student promote todustry affroved professional electives belong a talent factory of India by 2026

Description of the returities/ responsibilities understaten

- (1) Aegistering the with APSCHE Smart Internship enrolling for smart bridge's data analytics cower in live training sessions as per the pre-scheduled training Calendar
- (2) Participating weekly army completing weekly assignment with respect to data analytics
- (3) Crathering, cleaning analyzing the excel data sets of the project topic. "Analysis of election in India"
- on Attending project-mentoring sessions and designing and developing interactive dashboard Reform on the project topic using power BI.
- es, submission of Team project via uploading the project files in within reforitory of the Team.

ACTIVITY LOG FOR THE FIRST WEEK

Day			Person in -
& Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day-1 3/7/24	Sntroduction of data analysis and Interpreted data visualization	Analysis of the	
Day - 2 4/ H24	-Agenda and undexistending (onsumers	Clear Wew of business problem and its Solution	
Day-3 5/8/24	Types of analytics. Proms and downkad af Power B?	claw analysis on DA tobe and Prons regarding ia	
Day – 4			
Day – 5			
Day -6			

WEEKLY REPORT

WEEK-1(From Dt. 3/7/24 to Dt. 5/7/24)

Objective of the Activity Done: Jatroduction to power Bi and dala Analyte
Detailed Report: The Data Analytics is the practice of the
utilizing data, Stalistical method and technology to
extract meaningful insight and make devisions of
accordingly.
-> The key Components of Data Analytics ?
The Data cleaning, Data Analysis, Data Visualization
and Interpretation.
-> DA Jord are Saftware Programs, applisations
and other that help Professionals analyze data Set
to proude Pasighte. Predictions and devision of
making Proformation.
-> The Power Bi visualizes The graph down boards.
and pie Charch. It facilitates Iteports etc.
Explained about features of power 82.
-> Power Bi Comporent like Rato View Power
veius. parores questies, desetop, and parores el service ete.

ACTIVITY LOG FOR THE SECOND WEEK

	ACTIVITY LOG FOR	THE SECOND TVEEN	
& Date	Brief description of the daily activity	Learning Outcome	Person In - Charge Signature
Day-1 8 13 124	Componen of Power BI	chear vicusion every Component Lucyvired.	
Day-2	Power Bi inaction and the aretitecture	usible invight and sales Somat	
Day-3	Power Yung and transformation Operation	cloudy above Erc fools	
Day-4	Tool Present in Brown BI Durktop	Clear view on each and every took Present	
Day-5 12/12/14	-Analysing rue data "in di Aforent-typus	brackcality on data usage,	
Day -6			

WEEKLY REPORT WEEK-2 (From Dt. 8 # 124 to Dt. 12 # 124)

Detailed Report: The Total modelling is the Creaking including between table by using the Primary key. Data Pasight flow in pawer si: Data Sourcer, data when and model win for data modelling. To explared different data Connection anachers in fower si. Such as freel, Sal data bases and online Servicer. Data Pawer si. Servicer. Data Pawer si. Servicer. Advantage and process Within pawer si. Attract transform local process within pawer si. Attract transform local process within pawer si. Attract transform local process within pawer si. Attract wing Pawer Queups exclutor of endutor. The thaining of Covered executial functions like fellowing, mergeny and appending data sen. Additionally we well introduced to data modelling Concents such as relationships, Cardinality and data hierarchies.
between table by wing the Primary key. That insight flow in pawer &i: Data Sourcer, data when and model when for data modelling. To explared different data Connection anachelles in fower &i. Such as freel, SSL databases and online Services. Tearned about &i (Extract. transform local) process within pawer &i. The learned how to clean, dieshape and prepare data wing Paxon Querys excludin of endetoi. The training of Greenel executial functions like fillewing, menging and appending data sets. Additionally we were introduced to data modelling Concents such as relation ships, Cardinality and data hierarchies.
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mengeng and appending data sen Additionally we were introduced to data modelling Concents such as orelation ships, Cardinality and data hierarchies.
one Protoduced to data modelling Concents such as
orelation Ships, Cardenality and data herraschies.
-> de practical data modeling techniques, including
Occasing two relation Ships between talke using a
DAX (Data Analyties engressions) and the functions, and
designing Calculated Columns.

ACTIVITY LOG FOR THE THIRD WEEK

Day			Person In -
& Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day-1 18 July	Data Collection and Later change	the process	
16/12/29	Differentiation between Shoryhood bash board and en point	de flerenced carrows.	
Day-3	Pata Structuring and its usage with Power Ri	dearmed the wage of states	
Day - 4	Dewend on topics on far Completed	Clear vices with The wask of Theorem Bil	
Day - 5			
Day -6			

Objective of the Automotive of
Objective of the Actuvity Done: Data Visualization using Passar Bi.
Detailed Report: The few and about various of visualization
Op tions quailable in Passon Bi , Including the power
Chaoch, advanced Charch, maps and auxion visuals.
-> Studied Choosing appropriate visualization for a
different data types and Pasight to passon 82.
-> To took of present in paroon Bi desktop are ten
Remove columns, Reduce storues, Sorbing, Split and
Column. group by seplace values, franspore, above
neurs nous. Count nous, Rename, etc.
-> There are two ways for analyzind the data of
they are visulaization and Statistical.
-> In they third week the emphases was on data of
uzunlization techniques using power Bi.
-> we employed various types of charts, graphs and
maps that can be created in parasi B? to
wisulize doors of inights, we also learned
about unstamizing visual elements. The Servious
Procluded lost practices for Selecting the value
of oright Vizurelizations above blind on the
types of data.

ACTIVITY LOG FOR THE FOURTH WEEK

	ACTIVITY LOG FOR 1		Person In -
Day & Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day-1	Researched the additional Proformation	about Pouron Bj	
Day-2 93/3/24	Revised about obta Collection and dotto channing	Jeaned about Starting Down in DA	
Day-3	Penised about	Clear triew on Visualischion Paul	
25/4 kg	Dar and Dax functions	Use view on Day function	
Day-5 26/7/29	Ain Trustmets on Promet in Posser BI	Learned about the function the apply	
Day-6			

Objective of the Activity Done: Advanced Data may & with DAD Detailed Report: This week was dedicated to the deeper on own undoustancing of DAN for advanced data and The DAN'S ability to hamolia and Complex of engression and provided advanced of calculate directly with in Power BD. DAX in environment empowers were to use Their data in transformative ways. The Strategic planning to predicting future trends and infraving courtomes DAN of saisticut Total analysis expressions DAN is a library at should formular and expression in Power BD. Analysis services and power Pivot in a excel data models. Applied time in felling ence furthern to archinge trends over those. To improve that the accuracy and effectionly of data model using a Advanced of DAN'.	Obj	ective of the Activity Done:
This week was dedicated to the deeper on our undoutencing of Dax for advanced data and I The Dax's ability to homolis and Complex of expressions and provided advanced of calculate directly with in Power BD. Dax is environment empowers were to use their data in transformative ways. The strategic planning to predicting future trends and infraving courtomer Dax of satisficate thereof and infraving courtomer Dax of a library of functions and operators that can be combined to build formular and expression in Power BD. Analysis services and power Pivot in a excal data models. Applied time in tellingence furthern to analyse trends own that the accuracy and elevation.	Det	ailed Report:
The DAX'S ability to hample and Complex The DAX'S ability to hample and Complex Of engressions and provided advanced of calculate directly with in Power BP. DAX is environment empowers when to use Their data in transformative ways. The Strategic planning to predicting future trends and inpraving countoner DAX of satisfiant Pata analysis enupressions DAX is a library of functions and operators that can be combined to build formulas and expression in Power BP. Analysis services and power Pivot in a excel data models. Applied time in telling ence functions to arounge trends away flow.		This week was dedicated to the deeper
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Of engressions and provided advanced of calculated directly costs in Power BP. - DAX is environment empowers were to use their data in transformative ways. - The Stravegic planning to predicting future trends and inproving constoner pax of satisficate the functions and operators that can be combined to build formular and expression in Power BP. - Analysis Services and power Pivot in a excel data models. - Applied time in tellingence functions to analyse trends own flow.	->	The DAX'S applicate to how the and Complete
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excel data models. Applical time in telling ence functions to analyze trends own those. To improve that the accuracy and Effections	1	to build formular and expression to Porms R?
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Applical time in telling ence functions to analyze trends own those. To improve that the accuracy and Effectioner	en	ecal data models.
To improve that the accuracy and Effections		
To improve that the accuracy and Effectioner	1	renals own flow.
Of data model using a Advanced of DAX'.	-	
of DAX'.	25	data made i sa
	0	moder using a Advanced of DAx'.

ACTIVITY LOG FOR THE FIFTH WEEK

	ACTIVITY LOG FOR	CTHE FIFTH WEEK	
Day & Date	Brief description of the daily activity	Learning Outcome	Person In - Charge Signature
Day-1	Explained more factor on DAX	Learned about expressions and function in DAX	
Day-2 30 3/24	Lange about fillens Lange about fillens	coon view on different	
Day-3 31/4/24	Proposed avenues	Prepared for ten	
Day-4	Proposation ton	Prepared for Jest	
Day-5 2/8hy	Grand avenuent tous	gantue	
Day -6			

data Sources, Visualize and discours. The process of desktop of plication called to power Bi Perktop. Town Bi Derktop, the Source and he designed to let a Creak, share and Commune bushess and role nort effectively.	
Detailed Report: The Juntions of paver Bi is a Collection of Software Sources apps and connectors—that curities together to twen your Unidaked Sources of data into Cohorent wisually immersive, and intoactive in Sights—table. > Power Bi data might be an excel spreadsheet are a Generation of Utual—based and on-Premises—to a data box. > The paver Bi lets you easily Connect to your data Sources, visualize and discours. > A window of desktop application called to power Bi Desktop. > Toward Bi Desktop, the Source and he designed to let a crown, show and commune business and role most effectively. > To create a Paver Ri Pepat Build for Committee.	Objective of the Activity Done: Functions and power Bi Sorvice
of Software Sovinces apps and connectors—that custes together to twan your Unrichaked Sources of data into Cohorent wisually immorsive, and interactive in Sights table. > Power Bi data might be an excel spreadsheet are a Coercision of Cloud-based and on-premises to a data bove. > The power Bi lets you easily Connect to your data Sources, Visualize and discours. > A windows of docktop application called a power Bi perktop. > Toword Bi Derktop, the Source and he designed to let a Crowk, share and Consume business and role most effectively. > To create a Power Bi Perktively. Consisting paginared to Share in the Power Bi Source. > To tinally to a focus of this week	Detailed Report: The functions of power Bi a a Collection
charles together to tean your vorialized Sociales of data into (object visually immorrise, and interactive in 829 hbs table. > Power Bi data might be an excel spreadsheet are a Coursein of cloud-based and on-premises to a data bove. > The power of lets you easily (onnect to your data sources, visualize and discours. > A window of dosktop application called a power of pesktop. > Rower of pesktop. > Rower of Desktop, the Source and he designed to let a crown, share and commune business and role most effectively. > To create a power of Pepat Build tot Creating paginated to Share in the Power of Service. > To tinally to a town of this week	of Software Sources apps and connectors -that
of data into (obosent, visually immorrise, and interactive in Sights—table. > Power Bi data might be an excel spreadsheet are a Genericon of cloud—hased and on-premises—to a data boxe. > The power of lets you easily (connect to your data sources, visualize and discourse. > A windows of desktop application called to power of perktop. > Toward Bi Desktop, the Source and he designed to let a crown, share and he designed to let a crown, share and order house of winers and role most effectively. > To create a power of Pepat Build for Creating paginated to share in the Power Bi Service. > To trade a power of this week	custes together to twen your unrelated Sources
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are a Correspon of cloud-based and on-tremises to a data box. The power of less you easily connect to your data Sources, visualize and discours. A windows of dosktop application called a power Bi perktop. The Sources and he designed to let a croak, share and he business and role most effectively. To create a Power Ri Pepat Build for Creating paginated to share in the Power Ri Service.	interactive in Sights table.
are a Correspon of cloud-based and on-tremises to a data box. The power of less you easily Connect to your data Sources, Visualize and discours. A window of dorktop application called a power Bi Perktop. The Sources and he designed to let a Creak, share and he business and role most effectively. To Greate a Power Ri Pepat Build for Creating paginated to share in the Power Ri Service.	-> Power BI data might be an excel spreadsheet
The power of lets you easily connect to your data sources. Visualize and discours. A windows of desktop application called to power Bi Perktop. Toward Bi Derktop, the Source and he designed to let a creak, share and commune business and role most effectively. To create a forcest Bi Pepat Build for Creating paginaked to shore in the Power Bi Sanvice. Sonvice.	
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> Fower BP Derktop, the Source and he designed to let a Croase, share and commune bushess and role nort effectively. > To Create a Power BP Report Build, for Creating paginated to Share in the Power BP Service. > To tinally to a town of this week	-> A windows of desktop application called
> Toward BP Derktop, the Source and he designed to let a Croak, share and Commune bushess and role nort effectively. > To Create a Power BP Report Build, for Creating paginared to Share in the Power BP Service. > To tinally to a town of this week	a power BI perktop.
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8 env?ce. -> To tinally to a town of this week	-> TO Create a Paroser Bi Report Build, for
-> To tinally to a focus of this week	

ACTIVITY LOG FOR THE SIXTH WEEK

-	ACTIVITY LOG FOR		Person In -
& Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day-1 SIXI24	Optimising powers	User where on Optimisation	
Day-2 6/8/24	amplementation of	Learned areas of with huge activet	
Day-3 3/8/24	Application in business States	Clear view in samed three to application.	
Day-4	Application of + ethniques to Size down models	Lecunsol about szerny dates model	
0ay-5 918/24	Leauned about user In formation with seports.	allow view in suport bared	
Day -6			

WEEK-6 (From Dt. 5 8 (24 to Dt. 918 (24)

WEEK-O (From Dtto Dtto Dt
Objective of the Activity Done: Report Optimization and performance
Detailed Report: This week fixused on performance for
the control of the co
encisting reports by Optimizing—the process of the
POWER BS.
-> Learned about Power BI Optimization
of report can tell you the including stata
reduction, effections we the Dax of away
Obliggid of Obliggation.
-> To implemented inchemental data report
to improve the report loand times.
-> The invaluable tool for Porformance of
tuning is the report of optimization report
Lone the memory wage.
-> This Senions also included Can Studies
Show caring how to companier use the
Proof Bi for wing Business Intelligence and
sales of analysis, superting and aparational
Effectionly.
-> of finized of enitting reports to lad the
Jora fasser and hardle larger data Sex.
-> To two orwall of performance and wer to
enformence of power B2 reports.

ACTIVITY LOG FOR THE SEVENTH WEEK

	ACTIVITY LOG FOR I	The Seventian Transfer	Decree In .
Day & Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day - 1 12/8/24	Jornation of Team	lear view on Jean	
Day - 2	Orafert scope and Objective	Clean Wew on Proport ansigned	
Day-3	Agrapation of Paulic reports	Seggegation ay data analysis	
15/8/24	Configured Public	Reviewed Salt on data Sa	
Day-5	Seedback on accentibility with published report.	reborti.	
Day -6			

Objective of the Activity Done: Assignment of Profet Cook
Detailed Report: The Dala Analysis and Visualization.
This work was dedicated to lecountry to
Publish and Share power Bi report with
Stake holders.
The Power B? Product team will guide
you through the Power B? end-to-end.
Starting from how to connect to me import
You data.
-> The proport involved analyzing a dataset
of provided by a Smart Potung, changing
and transforming the dota, building data mod
-> Booon B? Danktop, bushish thou reports
to the Pocas BP Source Greate a destablood
and shape to business wes.
-> sucremfully to published report to the
Power BP scrube and showed Them with
- sue into ship teams
-> To concerting, importing, shaping and
- transforming data for business intelligence-
-> Received feed back on the acceptibility
and usability of the Published roports.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day			Person In -
& Date	Brief description of the daily activity	Learning Outcome	Charge Signature
Day-1 19/8/24	Presenting to authorable soright	clean when on pictorial	
Day - 2 20/8/24	Preventing the dathbooks and veports	Representing the	
Day - 3 21/8/24	Conoboration. File upbading,	all membery in term	
22/8/24	Demonship on	Clay wew on work done in	
Day-5 &3 8 24	Submission of Project	Me ugos	
Day –6			

Objective of the Activity Done:
Objective of the Activity Done: Finalization of Project coork- Detailed Report:
Detailed Report: Finalization and preventation
To final week was focused on completing a capston
Project and preventing to the intenship project
of Power BT Supervisionar
-> The worked on a final project that Envolved to
analyzing a complex data set and presenting of
actionable to a mock client
-> Preserved the final support to all the intership
Superiorson shaucasing the like a Skills and
unanledge Jaired throughout the intenship
-> Developed a Comprehensive power BP report That
Procluded deuta emplorention, advanced viscolizations.
and key recommedations.
3 Successfully Completed The Capstone Project
demonstrating a strong understanding by data
analystics using power BT.
-> Concluded the intenship with a deeper appreciation
for data analytics and Power Ri as a business
Prikeligence tool.

CHAPTER 6: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

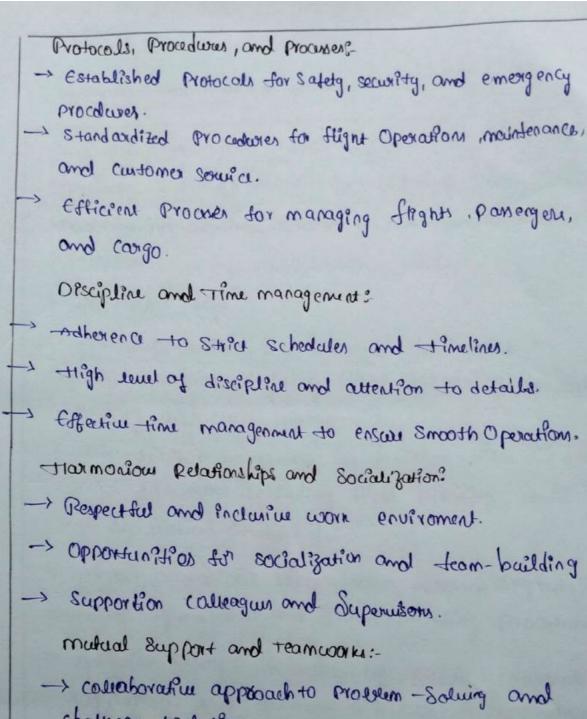
Based on my training data . I can describe a tyrical work environment in an air transportation network;

People Interactions?

- -> Callaborative and dynamic team environment.
- → Fraguent Entoractions costs Colleagues from vouvous at department (e.g.; Operations, maintenance, Customer securica).
- -> Communication with pilots, flight attendants, and traffic Controllers, and other stakeholders.

facilities and maintenance:

- -> well-maintained aircraft, equipment and failities.
- -> Access to advanced technology and tools.
- Regular mountenance scheduler to ensure safety and Efficiency Clarity of 900 Rales:
- -> Defined roles and responsibilities
- -> clear expectation and performance metrics.
- Usangeleush bons atomorf longinstory vot isitely utvoggo (-



- Challenge resolution.
- -> willingness to another and Support Colleagues.
- -> strong serve of teamwars and Comanadorie.

—36 a digital Assistant ildon't have personal hands-on experience, but I can desorbe the technical skews and knowledge ine acquired related to air transportation networks:

Job-related Skew

- Abeliner operations: I underestand the basics of abelian operations, including thight scheduling, acrorate routing, and crew management.
- -> An traffic management: im Samilian with air traffic Control Proceduces, including flight Planning, rowling, and Separation Standonds.
- -> Air Port Operation: Iknow about airport Layouts, terminal operation, and grand handing procedure.
- -> Authorism Safety: I'm auson of safety protocols
 regulations, and Standards in our transportenion.
 Technical Skills:
- -> Data analysis: I can Process and analyse learge datasets related to our transportations, including tight schedules, provenger traffic, and acruatly Performance.

- → Network optimization: I'm familian with network optimization techniques, including rouse optimizations and schoolwing algorithms.
- -> Programming languages: I have knowledge of programming languages such as Python, java, and CH. which are used in air transportainer application.
- -> simulati modeling concepts and can apply them to air transportention Scenarios.

Hands-on experience (simulated):

- -> Athlère schedule optimization: Ican simulate airline Schoolule optimization scenasion using algorithms and data analysis.
- Ar traffic control simulation: I can simulate all traffic control scenarios, including flight vouting and sparation standards.
- → Airport O percetions simulations; can simulate airport Operation. Including terminal management and grand handling.
- -> Rowe network optimization: I can simulate voute network optimization of an transportation network.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

The planning I can develop 8 trategic plans to optimize air transportation networks considering factors when thight 8 chedules, air craft routing, and airport operations, would you Plan a flight schoolule to runize passenger of coosts functional team to implement BI salutions.

Deudoping Strategic plans to Optimize air transportation networks, considering tactors like flight schedules, air craft bouting, and airport operations. Creating tactical plans to implement BI Solution. including data integration, analytics, and usualization. Establishing Project timelines millustran, and resource auxention plans. The couldbrating with Stakeholders, including airlines, airports, and air tattic Control, to achieve Common Joals.

Facilitating workshops, meetings and training sessions to ensur knowledge sharing and algoment. adaptability

Herritence, and a customen - centric approach in managing alor transportation networks. Embracing minimal disruptions to network operations. maintains a possitive and scalution focused attitude in hight-pressure 2 tractions.

Staying awarent with industry trends technological a dianoments and emerging best practices in air transportation overland or cookshop, and Conferences to expend knowledge and network. Applying new skills and knowledge to real world senasions. enswing Continuous improvement establishing clear. measurable goals for or-finising air transportation network and improving BI solution. Setting spositive achievable and adjusting goals to ensure alregoment with changing bornesse needs and optimize air transportation necessire Bi prit Patieux driving business value improving to network efficiency and enhancing Customer Satisfaction.

-Air transportation Network Prepare thoroughly on the toppe researching and organizing throughts of listen actively, arking dailfying questions and organizing Understanding contribute meaningfully, showing relevant experiences and insignt encourage others to participate Creating a Sate and inclusive environment Summarize of key Points and action items, ensuring clear understanding collaborative Planning and Optimization of air transpor - tation retwork Effective Communication with Stakeholdery Each drop airlines, alsports and Pansengers though that eadership in implementing new technologies or processes Such as BI Salution, Participation in industry forms and Conferences, Showing knowledge and best practices Contibution to teams focums and impracing also transport -ation network efflerency, safety, and customa satisfaction. of air transportation remover. and the networks has

To under standing the structure and behauser of air transportation retwork including nodes, edges and cornectivity, applying to a visualization to Prenerting Complex data insight of reports and optimize flight schedules, as oraft routing, and air craft operation. I negliation of the from a air craft airports, and ground transportation to optimize retworks.

the emphrical application of network analysis to also tramport Comparing the rock network of star Arciance to the Your network of one world. We should that both network oxhibit a low density, a short aways distance, and a high clustering Oefficient. However the nework of one world in more dependent on Single hubs. This structure of conscipanding to a higher vulnerability to me failure of their important hubs on this boxis, we portray further research areathous where networks analytical investigations may reveal valuable purphy for our transportation networks. BR.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

There are all major circus that deserve af attention but the focus here is no one particular to aspect of the air transportations market , namely The You of hub airports in the System Alle nutroone are Complex Structures of minimize costs, and with this to keep fave down. abilines need to keep to air craff for the air for the largest possible time, to achleur rue highest Porsible Load factor, and to coordinate their aircraft, crew and maintenance schedules. Atthough route network planning and Moute network design in a crucial tent for airline managers only sew application of network analytical techniques to als transport exist. This paper develops The methodological and conceptual foundations for the analysis of abiling Your networks. we do monstrake

-A complex network of air transportation System including airports, airclines, als traffic control, and Other Stakeholders. to orthnize network Porformance improve safety, and echance panenger experience Through deta-driven Prosignin. management, analytics, and reporting and Performance management air transport - ation network B1 improud network efficiency, echaned Safety in Occased Panenger Sattsfaction, and better Then decision-mounting the data availity issues, system Pritegration Stateholder bruy-in, and Scalability. Callabotation among Stakeholders in cruidal for Effective netable management and optimization of technology has fransportaion network industry of enabling improved Efficiency, Safety, and Parsenger afrom Parsing experience future of our transportation relicons in focused on Sustainability digitalization and about

Digital twin technology (realer virtual replicas of air transportation network, enabling Simulation and optimization of operations to blackchain technology enables sewer and transposed bata sharing and mangement a cross air transportation networks. High-speed network enable real-time data transfor and Communication across airs true directly and apports are in a air transportation network. autonomous systems, Such as drown and self-driving vehicles, optimize air transportation network operation and improve Safety.

Airbus A300-600 AIRPLANES NAME Pilatus Britten-... McDonnell Dou. Shorts SC-7 Sky. MAXIMUM ALTITUDE IN AIRPLANES NAMES HIGHTEST AIRLINE ID IN THE AIRLINES e Airbus A300 NAMC YS-11 Piper PA-46 Count of Airline ID 3K (47.34%) **AIR TRANSPORTATION NETWORK** OK (5.27%) ros 2K (33,13%) 28 2 26 7 2K 21 0K (5.5%) TOP COUNTRIES IN THE AIRLINE ID Country TOP CITIES IN THE IATA CODE 30 20 Count of Airline ID City • Greenland 92 | Cameroon Algeria Bermuda Country Egypt AVERAGE LONGITUDE IN TOP COUNTRIES 10.451... (2.99%) 31.845_(9.11%)